

Water-Data Report 2008

01408152 SOUTH BRANCH METEDECONK RIVER NEAR LAURELTON, NJ

METEDECONK RIVER BASIN

LOCATION.--Lat 40°04′42″, long 74°09′24″ referenced to North American Datum of 1983, Brick Township, Ocean County, NJ, Hydrologic Unit 02040301, at bridge on Chambers Bridge Road (County Route 549), 0.4 mi upstream from mouth, and 1.7 mi northwest of Laurelton.

DRAINAGE AREA.--30.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 2003-04, 2006-08.

GAGE .-- Reference point only.

DISCHARGE MEASUREMENTS WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Discharge, in ft³/s
Oct 11, 2007	39.9

01408152 SOUTH BRANCH METEDECONK RIVER NEAR LAURELTON, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976-78, 1999, 2007-08.

REMARKS.--Cooperative Network Site Descriptor: Statewide Status, NJ Department of Environmental Protection Watershed Management Area 13.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 5 [Remark codes: <, less than; E, estimated.]

Time	Turbdty white light, det ang 90+/-30 corretd NTRU (63676)	UV absorb- ance, 254 nm, wat flt units /cm (50624)	UV absorb- ance, 280 nm, wat flt units /cm (61726)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specific onductance, wat unf µS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
0830	5.6	.138	.110	768	9.6	82	6.5	160	7.0	8.0	26	7.57
0900	4.7	.142	.109	750	10.5	85	6.6	346	5.0	5.7	29	8.51
0800	4.2	.298	.234	752	7.7	78	6.7	135	12.0	15.8	23	6.55
0720	2.7	1/2	120	765	7.5	0.1	67	160	10.0	20.1	27	7.87
	0830 0900	white light, det ang 90+/-30 correctd NTRU (63676) 0830 5.6 0900 4.7 0800 4.2	white light, det ang 90+/-30 correctd NTRU (63676) absorbance, 254 nm, wat flt units /cm (50624) 0830 5.6 .138 0900 4.7 .142 0800 4.2 .298	white light, det ang 90+/-30 absorbance, ance, 280 nm, wat flt units (63676) Time NTRU (63676) /cm (50624) /cm (61726) 0830 5.6 .138 .110 0900 4.7 .142 .109 0800 4.2 .298 .234	white light, det ang 90+/-30 absorb-254 nm, 280 nm, wat flt units sure, (63676) 254 nm, 280 nm, wat flt units sure, mm Hg (63676) below 1000 metric pressure, mm Hg (00025) 0830 5.6 .138 .110 768 0900 4.7 .142 .109 750 0800 4.2 .298 .234 752	white light, det ang 90+/-30 absorb- ance, ance, ance, ance, ance, ance, ance, ance, det ang 90+/-30 254 nm, wat flt wat flt units units sure, (63676) Barometric pressolved oxygen, mm Hg (63676) Dissolved oxygen, mm Hg (63676) 0830 5.6 .138 .110 768 9.6 0900 4.7 .142 .109 750 10.5 0800 4.2 .298 .234 752 7.7	white light, det ang 90+/-30 254 nm, vant filt wat filt (63676) 280 nm, vant filt wat filt (63676) Barometric vant filt wat filt (63676) Dissolved oxygen, percent wat filt units sure, (63676) 0830 5.6 .138 .110 768 9.6 82 0900 4.7 .142 .109 750 10.5 85 0800 4.2 .298 .234 752 7.7 78	white light, det ang 90+/-30 254 nm, vant flt correctd (63676) 280 nm, vant flt vant flt (63676) Barometric vant flt vant flt (63676) Dissolved vater, unfltrd field, std units vant flt (63676) Dissolved vater, unfltrd pressolved (61726) Dissolved vater, vant flt va	white light, det ang 90+/-30 absorb-ance, det ang 90+/-30 254 nm, wat flt wat flt correctd (63676) 280 nm, wat flt wat flt (63676) Dissolved percent oxygen, mm Hg (63676) Dissolved percent field, matce, percent oxygen, mm Hg (63676) Dissolved percent field, matce, percent oxygen, mm Hg (63676) MTRU /cm (61726) /cm (61726) mm Hg (60025) mg/L (00300) wat into (00301) 25 degC (00095) 0830 5.6 .138 .110 768 9.6 82 6.5 160 0900 4.7 .142 .109 750 10.5 85 6.6 346 0800 4.2 .298 .234 752 7.7 78 6.7 135	white light, det ang 90+/-30 254 nm, 280 nm, 280 nm, 400 Barometric pressolved pressolved (63676) Dissolved vater, 280 nm, 280 nm, 400 pH, 200 ic conducton vater, 280 nm, 400 Temper-ature, 280 nm, 400 pressolved pressolved pressolved (63676) percent of sat-uration (63676) mm Hg (63676) </td <td>white light, det ang 90+/-30 absorb-ance, det ang 90+/-30 254 nm, wat flt wat flt correctd (63676) Barometric 254 nm, vat flt wat flt (63676) Dissolved precent (63676) Dissolv</td> <td> White light, ance, det ang 90+/-30 wat flt correct with wat flt correct with wat flt (63676) (50624) (61726) (00025) (00025) (00020) (000301) (000</td>	white light, det ang 90+/-30 absorb-ance, det ang 90+/-30 254 nm, wat flt wat flt correctd (63676) Barometric 254 nm, vat flt wat flt (63676) Dissolved precent (63676) Dissolv	White light, ance, det ang 90+/-30 wat flt correct with wat flt correct with wat flt (63676) (50624) (61726) (00025) (00025) (00020) (000301) (000

WATER-QUALITY DATA WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 5

[Remark codes: <, less than; E, estimated.]

				ANC,					Residue	Residue		Ammonia	1
Date	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	water, fltrd, sum of consti- tuents mg/L (70301)	on evap. at 180degC wat flt mg/L (70300)	Residue total non- filter- able, mg/L (00530)	+ org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)
Nov													
26	1.83	2.31	16.8	12	26.9	<.12	6.2	11.6	E83	93	7	.24	.082
Feb													
27	1.89	2.04	50.4	9	83.8	<.12	6.3	14.2	E176	190	5	.24	.084
May													
19	1.50	1.85	13.7	12	22.0	<.12	4.7	10.2	E70	84	2	.46	.099
Aug													
28	1.90	2.14	18.7	17	28.9	<.12	2.7	10.4	84	109	3	.68	.048

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WATER-QUALITY DATA WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 5

[Remark codes: <, less than; E, estimated.]

Date	Nitrate + nitrite water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfitrd mg/L as P (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd µg/L (01002)
Nov 26	.53	.07	.76	.83	E.004	.011	.033	1.1	<.04	1.1	3.3		
Feb	.55	.07	.70	.63	E.004	.011	.033	1.1	\.U4	1.1	3.3		
27	.78	.05	1.0	1.1	E.004	.009	.022	.6	<.04	.6	3.3	.23	E.34
May													
19	.43	.08	.89	.97	E.002	.025	.035	.9	<.04	.9	5.3		
Aug													
28	.28	.07	.97	1.0	<.010	.012	.020	.7	<.04	.7	3.4	.33	E.40

WATER-QUALITY DATA WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 5

[Remark codes: <, less than; E, estimated.]

		Beryll-				Chrom-				Mangan-			
Date	Barium, water, unfitrd recover -able, μg/L (01007)	ium, water, unfltrd recover -able, µg/L (01012)	Boron, water, fltrd, µg/L (01020)	Boron, water, unfitrd recover -able, µg/L (01022)	Cadmium water, unfltrd µg/L (01027)	ium, water, unfltrd recover -able, µg/L (01034)	Copper, water, unfitrd recover -able, µg/L (01042)	Iron, water, unfitrd recover -able, μg/L (01045)	Lead, water, unfitrd recover -able, µg/L (01051)	ese, water, unfitrd recover -able, µg/L (01055)	Mercury water, unfltrd recover -able, μg/L (71900)	Nickel, water, unfltrd recover -able, μg/L (01067)	Selen- ium, water, unfltrd µg/L (01147)
Nov													
26			20										
Feb													
27	42.8	.05	17	17	.13	.48	<1.2	802	1.49	54.1	E.009	1.3	.12
May													
19			18										
Aug													
28	38.1	<.04	21	22	<.01	<.40	1.3	1,100	.66	46.9	.011	.81	.10

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WATER-QUALITY DATA WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 5 [Remark codes: <, less than; E, estimated.]

L, ostillatou.j										
	Silver, water,	Zinc, water,								
	unfltrd	unfltrd								
	recover	recover								
	-able,	-able,								
Date	μg/L (01077)	μg/L (01092)								
Nov										
26										
Feb										
27	<.02	14.5								
May										
19										
Aug										
28	<.02	5.3								